AMENDMENTS TO THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of the claims in the above-identified application:

Listing of Claims:

Claim 1 (withdrawn): A method for changing an array comprising the steps of:

changing a variable in a target array to information that represents the location of a different variable when said target array, consisting of a combination of a plurality of various kinds of elements is viewed along a path extending in a predetermined direction, and when a different, complementary variable is present upstream of a variable included in said target array;

changing said variable to information indicating that no different, complementary variable is present when no different, complementary variable is present upstream of said variable in said target array; and

repeating said steps for all the other variables included in said target array, so that said target array is changed.

Claim 2 (currently amended): A method for analyzing the structure of a target array consisting of a plurality of different ~~kinds of~~ elements, the method comprising the steps of:

(a) ~~converting the target array into~~ <u>generating</u> a first array <u>having elements corresponding to the target array,</u> including the steps of:

(i) <u>traversing said target array and</u> replacing <u>in the first array a corresponding</u> variable that is included in the target array into information that represents a location of the same variable if it is present upstream with respect to said variable when the target array is ~~viewed~~ <u>traversed</u> along a path extending in a predetermined direction;

(ii) replacing said variable <u>in the first array</u> into information that indicates if that said same variable is not present upstream with respect to the said variable; and